

HIGH STRENGTH AND HIGH DENSITY INTRALUMINAL WIRE STENT

1 ABSTRACT OF THE DISCLOSURE:

5 An intraluminally implantable stent is formed of
helically wound wire. The stent has a generally elongate
tubular configuration and is radially expandable after
10 implantation in a body vessel. The wire includes
successively formed waves along the length of the wire.
When helically wound into a tube, the waves are
longitudinally nested along the longitudinal extent of the
stent so as to form a densely compacted wire configuration.
15 After radial expansion the stent maintains high radial
compressive strength and wire density to retard tissue
ingrowth.

15

20

25

30

35